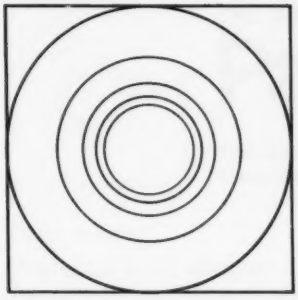

THE JOURNAL OF Pathology

A Journal of the Pathological Society of Great Britain and Ireland

1987 | Volume 151

A WILEY MEDICAL PUBLICATION
JPTLAS 151 (1–4) 1–332 (1987)
ISSN 0022–3417

Copyright © 1987 John Wiley & Sons, Ltd.

COPYING OF ARTICLES

The code and the copyright notice appearing at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use, or for the personal or internal use of specific clients, on the condition that the copier pay for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. The per-copy fee for each article appears after the dollar sign, and is to be paid through the Copyright Center, Inc. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Such permission requests, or other inquiries, should be addressed to the publisher.

THE JOURNAL OF
Pathology

Published in association with the
Pathological Society of Great Britain and Ireland

Editor-in-Chief

Professor D. H. Wright
Department of Pathology, University of Southampton, South Laboratory/Pathology Block, Southampton General Hospital, Tremona Road, Southampton SO9 4XY, UK

Editors

Dr A. G. MacIver
Department of Pathology, Southmead General Hospital, Westbury-on-Trym, Bristol BS10 5NB, UK

Professor F. Walker
Department of Pathology, University Medical Buildings, Foresterhill, Aberdeen AB9 2ZD, UK

Aims and Scope

The Journal of Pathology is a journal of the Pathological Society of Great Britain and Ireland. From January 1984, it has incorporated the other affiliated journal, *Diagnostic Histopathology*. The new group of Editors intend that the journal shall reflect the interests of the members of the Society. This will be no easy task since they cover the whole range of experimental and diagnostic histopathology.

High quality papers, written in English and dealing with descriptive histopathology will be welcome. Papers dealing with new techniques and those that elucidate the mechanisms underlying disease processes and histopathological appearance will be particularly encouraged. Single case reports will be accepted only when they are of exceptional interest with important new information and which contain a full, but concise, review of the literature. Good photo-micrographs are of particular value and interest to histopathologists and emphasis will be placed on the quality of the illustrations.

Original articles in the field of experimental pathology, relevant to human disease, will be welcome. Review articles dealing with general and experimental pathology, as well as diagnostic histopathology, will be solicited. Unsolicited reviews will also be accepted if they are clearly written and topical. Editorials, a letter column and reviews of recently published books will form regular features of the Journal. Meetings abstracts of the Pathological Society of Great Britain and Ireland will be published as they become available and the annual CL Oakley Lecture will continue to be included. Symposia proceedings may be published if the Editors consider them appropriate and relevant. The Editors wish to maintain the minimum delay between manuscript submission, decision and publication, and authors are therefore requested to follow the instructions for manuscript preparation as set out in the Notes for Contributors which are printed on the inside back cover.

Editorial Board

P. P. ANTHONY
Exeter, UK

C. L. BERRY
London, UK

F. T. BOSMAN
Maastricht, Holland

J. W. B. BRADFIELD
Bristol, UK

T. J. CHAMBERS
London, UK

B. CORRIN
London, UK

C. M. FENOGLIO-PREISER
Albuquerque, USA

H. FOX
Manchester, UK

C. H. W. HORNE
Newcastle-upon-Tyne, UK

H. J. HOUTHOFF
Groningen, Holland

P. ISAACSON
London, UK

J. V. JOHANNESSEN
Oslo, Norway

E. L. JONES
Birmingham, UK

J. W. KEELING
Oxford, UK

I. LAUDER
Leicester, UK

J. M. POLAK
London, UK

P. J. SCHEUER
London, UK

P. G. TONER
Belfast, UK

J. C. E. UNDERWOOD
Sheffield, UK

R. A. WALKER
Leicester, UK

M. N. I. WALTERS
Nedlands, Australia

R. O. WELLER
Southampton, U.K.

N. WOOLF
London, UK

N. A. WRIGHT
London, UK

A. H. WYLLIE
Edinburgh, UK

JOURNAL OF PATHOLOGY, VOL. 151 : iv–vi (1987)

CONTENTS

Volume 151, Issue Nos 1–4, 1987

JOURNAL OF PATHOLOGY

Issue No. 1 JANUARY 1987

Invited Review

The Pathogenesis and Biochemistry of Amyloidosis, A. S. COHEN and L. H. CONNORS 1

Original Article

Lesions of the Renal Papilla Induced by Paracetamol, M. A. HENRY and J. D. TANGE . . 11

Announcement 21

Synopsis of Papers

Synopsis of Papers Presented at the 154th Meeting of the Pathological Society of Great Britain and Ireland 23A

Issue No. 2 FEBRUARY 1987

Original Papers

Elastosis in Breast Carcinoma: I. Immunohistochemical Characterization of Elastic Fibres, S. L. MERA and J. D. DAVIES 103

Nucleolar Organizer Regions in Lymphomas, J. CROCKER and P. NAR 111

Distribution of Ca (Oxford) Antigen on Placental Trophoblast, P. W. BISHOP, J. E. MALAM, J. A. MORRIS and H. FOX 119

Detection of Leptospiral Antigen in the Human Liver and Kidney Using an Immunoperoxidase Staining Procedure, V. A. FERREIRA ALVES, M. REGINA VIANNA, P. H. YASUDA and T. DE BRITO 125

The Role of Hepatic Venous Congestion and Endotoxaemia in the Production of Fulminant Hepatic Failure Secondary to Congestive Heart Failure, Y. SHIBAYAMA . 133

The Structure and Reactions of the Microcirculation in a Subcutaneous Air Pouch in the Rat, G. S. BALASUBRAMANIAM and J. V. HURLEY 139

Effects of Continuous Subcutaneous Insulin Infusion on Renal Morphology in Experimental Diabetes. I. Blood Glucose Levels, Body Size, Kidney Weight and Glomerulotubular Morphometry, T. M. MAYHEW, A. K. SHARMA and K. N. C. McCALLUM 147

Effects of Continuous Subcutaneous Insulin Infusion on Renal Morphology in Experimental Diabetes. II. Glomerular Basement Membrane Thickness, T. M. MAYHEW, A. K. SHARMA and K. N. C. McCALLUM 157

Letters to the Editor

Immunostaining for S-100 Protein: Another Suitable Tool for Analysing Dendritic Reticulum Cells in AIDS-related Lymphadenopathy, A. CARBONE, R. MANCONI, A. POLETTI and R. VOLPE 163

Collagenous Colitis, C. G. LINDSTRÖM 166

Reply to Letter to the Editor: Collagenous Colitis: W. S. HWANG 166

Book Reviews 167

List of Reviewers 173

Announcements 175

Issue No. 3 MARCH 1987

Meeting Report

Editorial 177

Malignant Lymphoma—a Clinician's View, G. M. MEAD 179

The Diagnosis of Malignant Lymphoma Using Monoclonal Antibodies Reactive in Routinely Fixed Wax Embedded Tissue, A. J. NORTON and P. G. ISAACSON . . . 183

Genotypic Analysis of Lymph Node Biopsies, N. T. J. O'CONNOR 185

The Histogenesis of the Reed–Sternberg Cell and its Mononuclear Counterparts, D. B. JONES 191

Original Articles

Periventricular Intraparenchymal Cerebral Haemorrhage in Preterm Infants: the Role of Venous Infarcation, S. J. GOULD, S. HOWARD, P. L. HOPE and E. O. R. REYNOLDS 197

Cytoplasmic Reactivity with the Monoclonal Antibody HMFG1 as a Marker of Cervical Glandular Atypia, L. J. R. BROWN, N. R. GRIFFIN and M. WELLS 203

Role of Macrophage in Mesothelial Healing, Z. FOTEV, D. WHITAKER and J. M. PAPADIMITRIOU 209

The Toxic Plant Proteins Ricin and Abrin Induce Apoptotic Changes in Mammalian Lymphoid Tissues and Intestine, G. D. GRIFFITHS, M. D. LEEK and D. J. GEE . . . 221

Technical Method

A Useful Low Temperature Method for Post-embedding Electron Immunocytochemistry in Routine Histopathology, G. D. McPHAIL, T. FINN and P. G. ISAACSON . . . 231

Letters to the Editor

The Validity of Negative Necropsy Reports from Metastases in Solid Organs, C. L. BERRY and S. E. GREENWALD 239

Reply to Letter to the Editor: the Validity of Negative Necropsy Reports from Metastases in Solid Organs, L. WEISS and J. P. HARLOW 239

The Immunocytochemical Diagnosis of Malignant Lymphoma in Routinely Processed Tissues, A. J. NORTON and P. G. ISAACSON 241

Book Reviews 243

Issue No. 4 APRIL 1987

Announcements ii

Invited Review

Liver Lesions in Inflammatory Bowel Disorders: V. J. DESMET and K. GEBOES . . . 247

Original Papers

Expression of Leukocyte Common Antigen in Lymphoblastic Lymphoma and Small Noncleaved Undifferentiated Non-Burkitt's Lymphoma: an Immunohistochemical Study: P. VAN EYKEN, C. DE WOLF-PETERS, J. VAN DEN OORD, G. TRICOT and V. DESMET 257

Ultrastructural Characteristics of the Interdigitating Dendritic Cell in Dermatopathic Lymphadenopathy of Mycosis Fungoides Patients: M. T. POBLETE, C. D. FIGUEROA and I. CAORSI 263

The Effect of Cimetidine on Parathyroid Function and Histopathology in Primary Hyperparathyroidism: F. C. SOTSIOU, P. N. SINGHELLAKIS, A. D. NIKOU, A. D. PAPPAS, CH. VAMBOUKA, N. G. SKLIVAGOU and D. G. IKKOS 271

Reaction of Monoclonal Anti Leu M1—a Myelomoncytic Marker (CD15)—with Normal and Neoplastic Epithelia: H. F. SEWELL, B. JAFFRAY and W. D. THOMPSON . . . 279

Prognostic Significance of DNA Aneuploidy and Cell Proliferation in Rectal Adenocarcinomas: P. QUIRKE, M. F. DIXON, A. D. CLAYDENS, P. DURDEY, J. E. D. DYSON, N. S. WILLIAMS and C. C. BIRD 285

Expression of C-myc in Non-Malignant and Pre-Malignant Gastrointestinal Disorders: P. J. CICLITIRA, J. C. MACARTNEY and G. EVAN 293

Clinicopathological Significance of Intratumoural Variations in Elastosis Grades and the Oestrogen Receptor Status of Human Breast Carcinomas: D. D. GIRI, R. N. LONSDALE, V. J. M. DANGERFIELD, S. C. HARRIS, M. A. PARSONS and J. C. E. UNDERWOOD 297

Immunopathological Studies on Thyroid Immunity. IX. Thyroid and Renal Amyloidosis in Thyroglobulin Immunized Rabbits: H. T. BLUMENTHAL and B. N. PREMACHANDRA 305

Sinusoidal Circulatory Disturbance by Microthrombosis as a Cause of Endotoxin-Induced Hepatic Injury: Y. SHIBAYAMA 315

Tumours Acquire their Vasculature by Vessel Incorporation, Not Vessel Ingrowth: W. D. THOMPSON, K. J. SHIACH, R. A. FRASER, L. C. MCINTOSH and J. G. SIMPSON . . 323

KEY WORD INDEX

Abrin, 221
Acute inflammation, 139
Air pouch, 139
Amyloid P component, 103
Amyloid, 1
Amyloidosis, 1
Analgesic nephropathy, 11
Angiogenesis factor, 323
Apoptosis, 221

Breast carcinoma, 103

C-myc, 293
Ca antigen, 119
Cal antibody, 119
Cell proliferation, 285
Centrilobular necrosis, 133
Cervix, 203
Chromatoid-like body, 263
Cimetidine, 271
Coeliac disease, 247
Common leukocyte antigen expression, 257
Congestion of the liver, 133
Congestive heart failure, 133
Continuous subcutaneous insulin infusion, 147
Crohn's disease, 247

Dermatopathic lymphadenopathy, 263
DNA aneuploidy, 285
DNA, 111

Elastin, 103
Elastosis, 103
Electron immunocytochemistry, 231
Endotoxaemia, 133
Endotoxin, 315
Epithelial neoplasia, 279
Experimental arthritis, 139
Experimental diabetes, 147

Fibrin thrombus, 315
Flow cytometry, 285
Fulminant hepatic failure, 133

Germinal layer haemorrhage, 197
Glandular atypia, 203
Glomerular amyloid, 305
Glomular basement membrane thickness, 157
Glomeruli, 147

Healing, 209
Hepatic injury, 315
Hepatic microcirculation, 315
Histochemistry, 111

Ileum, 221

Immunohistology, 293
Immunoperoxidase, 125
Interdigitating dendritic cell, 263

Kidney, 147

L. interrogans serovar icterohaemorrhagiae, 125
Langerhans cell, 263
Leptospira, 125
Leu MI, 279
Liver inflammatory bowel disease, 247
Low temperature embedding, 231
Lymph nodes, 111
Lymphoblastic lymphoma, 257
Lymphoid tissues, 221
Lymphomas, 111
Lysozyme, 103

Macrophages, 209
Mesothelium, 209
Microcirculation, 139
Milk fat globule, 203
Monoclonal antibody, 203
Mycosis fungoides, 263
Myelomonocytic antigens, 279

Neovascularisation, 323
Nucleoli, 111

Oestrogen receptors, 297
Oncogenes, 293

Paracetamol toxicity, 11
Periventricular leukomalacia, 197
Placental maturation, 119
Preterm infant, 197
Primary hyperparathyroidism, 271

Rectal adenocarcinoma, 285
Renal papillary necrosis, 11
Ricin, 221
Routine histopathology, 231

Sclerosing cholangitis, 247
Sinusoidal circulatory disturbance, 315
Smooth endoplasmic reticulum, 263
Stereology, 147

Thyroid amyloid, 305
Trophoblast, 119
Tubules, 147
Tumour angiogenesis, 323
Tumour heterogeneity, 285

Ulcerative colitis, 247

Venous infarction, 197

AUTHOR INDEX

Balasubramaniam, G. S., 139
Berry, C. L., 239
Bird, C. C., 285
Bishop, P. W., 119
Blumenthal, H. T., 305
Brown, L. J. R., 203

Caorsi, I., 263
Carbone, A., 163
Ciclitira, P. J., 293
Claydens, A. D., 285
Cohen, A. S., 1
Connors, L. H., 1
Crocker, J., 111

Dangerfield, V. J. M., 297
Davies, J. D., 103
de Brito, T., 125
De Wolf-Peters, C., 257
Desmet, V. J., 247
Desmet, V., 257
Dixon, M. F., 285
Durdey, P., 285
Dyson, J. E. D., 285

Evan, G., 293

Ferreira Alves, V. A., 125
Figueroa, C. D., 263
Finn, T., 231
Fotev, Z., 209
Fox, H., 119
Fraser, R. A., 323

Geboes, K., 247
Gee, D.J., 221
Giri, D. D., 297
Gould, S. J., 197
Greenwald, S. E., 239
Griffin, N. R., 203
Griffiths, G. D., 221

Harlow, J. P., 239
Harris, S. C., 297
Henry, M. A., 11
Hope, P. L., 197
Howard, S., 197
Hurley, J. V., 139
Hwang, W. S., 166

Ikkos, D. G., 271
Isaacson, P. G., 183, 231, 241

Jaffray, B., 279
Jones, D. B., 191

Leek, M. D., 221
Lindstrom, C. G., 166
Lonsdale, R. N., 297

Macartney, J. C., 293
Malam, J. E., 119
Manconi, R., 163
Mayhew, T. M., 147, 157
McCallum, K. N. C., 147, 157
McIntosh, L. C., 323
McPhail, G. D., 231
Mead, G. M., 179
Mera, S. L., 103
Morris, J. A., 119

Nar, P., 111
Nikou, A. D., 271
Norton, A. J., 183, 241

O'Connor, N. J. T., 185

Papadimitriou, J. M., 209
Pappas, A. D., 271
Parsons, M. A., 297
Poblete, M. T., 263
Poletti, A., 163
Premachandra, B. N., 305

Quirke, P., 285

Reynolds, O. E. R., 197

Sewell, H. F., 279
Sharma, A. K., 147, 157
Shiach, K. J., 323
Shibayama, Y., 133, 315
Simpson, J. G., 323
Singhellakis, P. N., 271
Sklivagou, N. G., 271
Sotsiou, F. C., 271

Tange, J. D., 11
Thompson, W. D. 279, 323
Tricot, G., 257

Underwood, J. C. E., 297

Vambouka, Ch., 271
Van Den Oord, J., 257
Van Eyken, P., 257
Vianna, M. R., 125
Volpe, R., 163

Weiss L., 239
Wells, M., 203
Whitaker, D., 209
Williams, N. S., 285

Yasuda, P. H., 125